



#### **Overview**

- Employees 7,000
- Physicians 750
- Nurses 2,400
- Four Hospitals
- Inpatient visits 36,114
- Observations 5,629
- Emergency department visits 66,736
- Ambulatory surgeries 3,693
- Outpatient visits 1,205,066
- Off-campus care settings 120
- Clinical trial studies 581 actively enrolling
- Operating budget \$1.1 Billion





## U.S. News Rankings – Adult & Pediatric













### Adult Programs – Top 25% in Nation

Cancer

Diabetes and endocrinology

Gastroenterology

Neurology and neurosurgery

Pulmonology

Cardiology & heart

Geriatrics

Gynecology

**Orthopaedics** 

Urology





## SC leader in 14 of the 24 Service Lines Top 3 for all 24

	Market Leader			Second			Third			
	2012						2012			
		Market 201	1-			2011 -		Market 2	2011 -	Total # of
	Hospital	Share 2013	2Δ	Hospital	2012 Market Share 2	ACCRECATE VALUE OF THE PARTY OF	Hospital	Share 2	012 Δ	Cases
Cancer Care - Hematology	MUSC	37.4% 👚	3.9	Palmetto	20.1%	-3.5	Greenville	17.6% 1	1.8	1,089
Cancer Care - Oncology	Greenville	45.1% 👚	4.7	MUSC	36.0%	-0.7	Palmetto	18.0% 🖣	-3.8	567
Cardiac Care - Medical	MUSC	39.2%	-4.8	Greenville	25.1%	3.8	Palmetto	22.5%	3.9	355
Cardiac Care - Surgical	MUSC	97.3% 🖒		Greenville	1.7%	_	Palmetto	0.3%	-1.6	293
Dental	MUSC	33.6%	3.8	Palmetto	19.5%		Greenville	10.2%	-3.6	128
Dermatology	Palmetto Richland		12.9	MUSC	22.0%		Greenville	11.4%		
Endocrinology	Palmetto Richland	24.2% 💠	0.5	MUSC	23.9%	_	Greenville	17.6%	2.7	591
ENT	MUSC	33.6% 👚	3.7	Palmetto	20.6%		Greenville	19.0% 1	5.7	457
General Pediatrics	Palmetto Richland	20.5%	2.4	MUSC	15.5%		Greenville	11.2% =	-0.1	2,447
GI	MUSC	27.7% 🎓	3.2	Greenville	23.1%	4.0	Palmetto	23.0% -	-0.6	1,277
Infectious Disease - Medical	Palmetto Richland	20.7% 🎓	1.2	MUSC	17.4%	3.9	Greenville	16.0% =	0.4	2,388
Neonatal Care - Medical	Greenville	15.1% 🖒	_	MUSC	8.1%		Lexington Medical	6.4%	1.2	
Neonatal Care - Surgical	MUSC	35.2%	-1.3	Palmetto	34.3%	_	Greenville	23.2%		
Nephrology/Urology-Medical	MUSC	23.3% *	W LS	Greenville	17.1% *	•	Palmetto	15.1% *		806
Nephrology/Urology-Surgical	MUSC	35.4% *		Greenville	30.1% *		Palmetto	20.7% *		246
Neurology	MUSC	36.9% 👚	5.0	Palmetto	27.5%	-	Greenville	20.0%	0.8	
Neurosurgery	MUSC	36.7% 🕹	-4.0	Palmetto	29.2%		Greenville	28.1%	2.9	
Opthalmology	MUSC	32.1% 🎓	1.0	Palmetto	24.1%		Greenville	10.2%	-0.9	
Orthopedics	Palmetto Richland	31.0%	_	MUSC	23.3%		Greenville	14.3%		1,401
Peds Surgery	Greenville	23.5% 1		Palmetto	22.7%	-	MUSC	21.1%		
Respiratory services- Medica	Palmetto Richland	16.8% 👚	THE REAL PROPERTY.	MUSC	12.8%		Greenville	7.4%		5,463
Rheumatology	MUSC	43.5% 👚		Palmetto	25.8%		Greenville	9.7%	-8.8	
Trauma care- Medical	Palmetto Richland	24.6%		MUSC	23.6%	STREET, STREET, SQUARE,	Greenville	17.2%		
Trauma care- Surgical	MUSC	29.0% 🎓		Palmetto	25.9%	The second second	Greenville	19.7%		
Overall	MUSC	16.9%	0.4	Greenville	15.5% 4		Palmetto	14.8%	-	The second second second

\*Note: Service lines listed include those w

leath Changing What's Possible MUSChealth.org

## New Children's Hospital & Women's Pavilion



Rendering purposes only. Subject for approval.



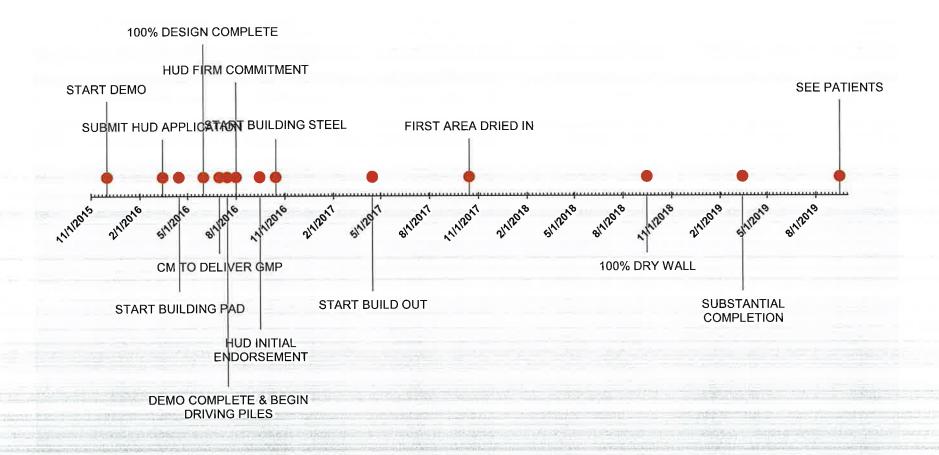
# THANK YOU! \$25,000,000!



# New Children's Hospital / Women's Pavilion - Stoplight Report

Area	Status	Notes
Design		The reset activities are moving forward and end users are engaged. Many floors are getting final signoff this week. Periop and a few areas in D&T are still under review.
Demolition		Process has begun. Too early to know if any hidden issues will be uncovered with respect to pile location / removal.
Construction		Nothing to report
Timeline	3,71-31-1	Still forecasting a Q4 opening. However, with the redesign and value engineering activities, most of the slack time has been exhausted.
Project Scope		Teams are doing a good job on constraining scope.
Resources		Continuing to assess resourcing of the project.
Financing (HUD)		HUD application is expected to be submitted in March. Max loan amount must be determined by mid Jan in order to complete financial feasibility study and request BOT approval in Feb.
Budget		We are still tracking to the \$385M figure shared with the BOT.

## New Children's Hospital / Women's Pavilion - Project Timeline



# New Children's Hospital / Women's Pavilion -Budget Review

	Original Budget (Feasibility Study)	Initial Design Estimate	Current Estimate (Nov 2015)	Variance
Total new Children's Hospital / Women's Pavilion Costs	\$349.4M	~\$420M	\$384.8M	\$35.4M

## New Children's Hospital & Women's Pavilion



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## **MUSC** Telehealth



Telehealth

ALLIANCE

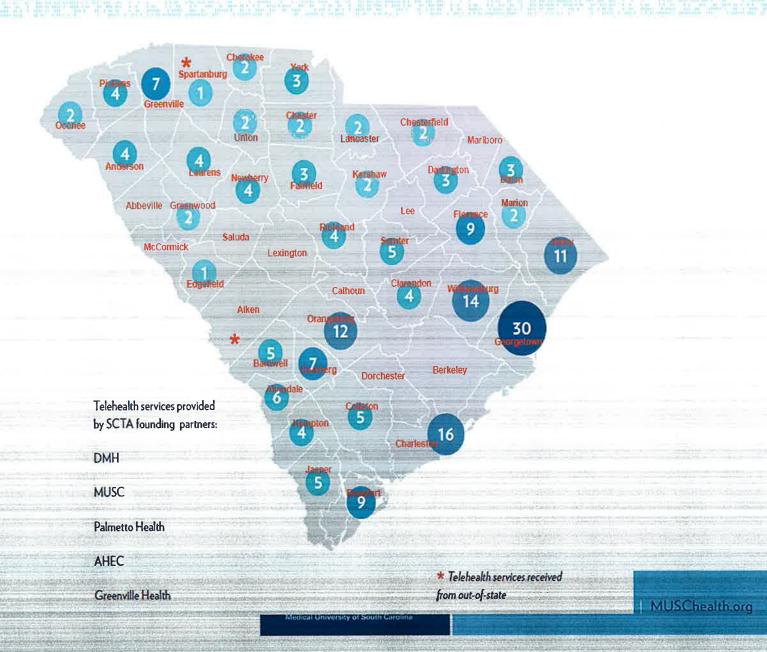


SOUTH CAROLINA

Telehealth

Vhat's Possible | MUSChealth.org

## **Telehealth Connections by County**



## volume & partnerships

12,000

Number of telehealth consultations in the state of South Carolina in 2015

**†** 

Number of telehealth sites

**AHEC** 

Greenville Health

Palmetto Health

Medical University of South Carolina

**Department of Mental Health** 





#### **New Contracts to Develop Regional Services**

- Palmetto Health
- Greenville Health System
- McLeod Health (contract negotiations)

#### Additional providers Joining Alliance

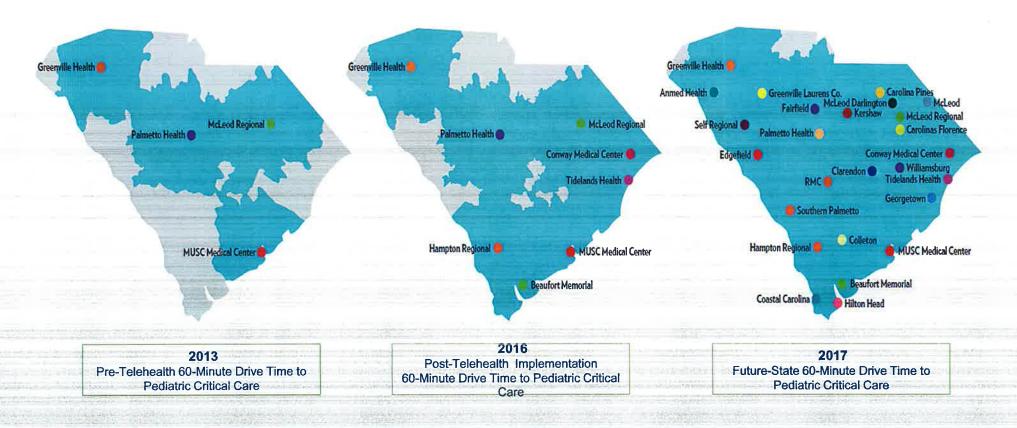
- Roper
- Greenwood Genetics
- Doctors Care

#### Formal Discussions Pending

- AnMed Health
- Self Regional
- Spartanburg Regional

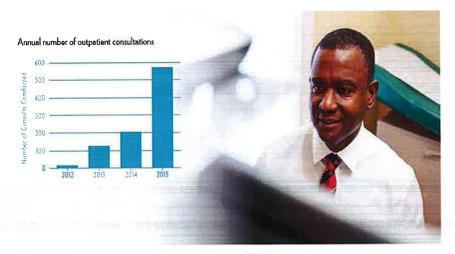
## Inpatient Services- Pediatric Critical Care

#### Hospital-to-Hospital Inpatient Specialty Consultations



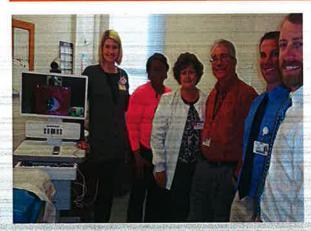
## **Program Growth**

#### Outpatient consultation



From 2014 to 2015, MUSC's outpatient teleconsultation volume increased by 183%.

#### Correctional facilities



MUSC Telehealth providing training to staff members of Kirkland Correctional Facility Receiving and Evaluation (R&E). All South Carolina prisoners serving a 90-day sentence or more are processed through Kirkland R&E.

MUSC is in the process of establishing telehealth services for four facilities within the South Carolina Department of Corrections (SCDC).

#### Projected benefits include:

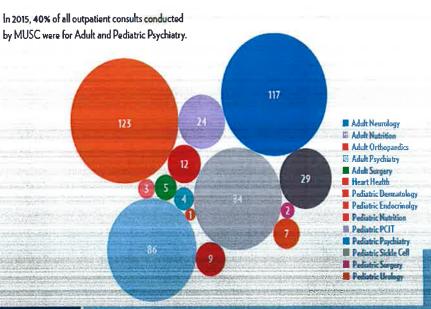
- · Decreased transfers to hospitals
- · Improved workflow and patient throughput
- · Elimination of physical intake backlog
- · Informed emergency triage (send or stay)
- Improved management of chronic disease

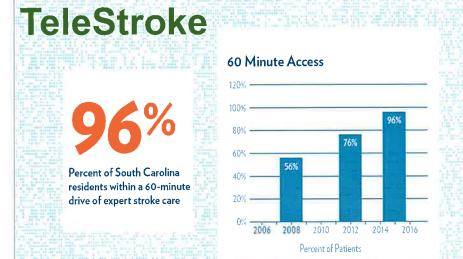


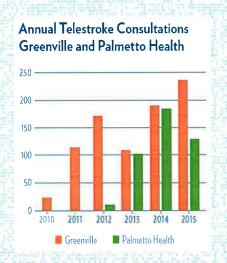
#### Adult & pediatric psychiatry outpatient consultation

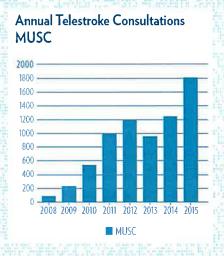


Pediatric Psychiatrist, Dr. M. Frampton Gwynette, likes the ease of the telehealth consultations.

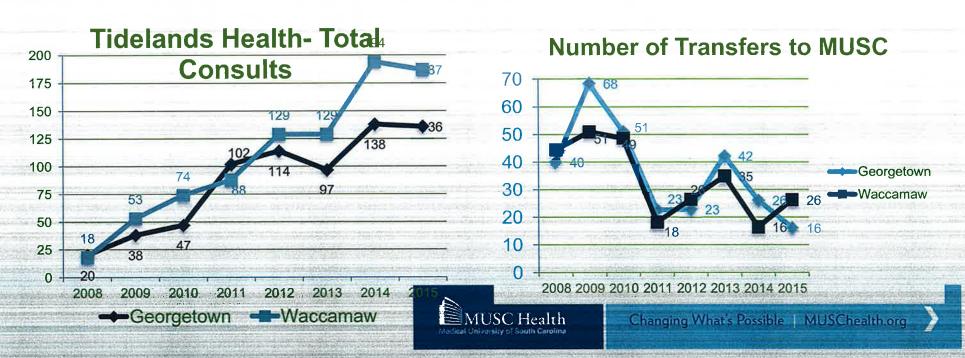








#### Tidelands Health: Keeping Patients in their Community



## **School-Based Telehealth**



Tina Brown, Hemingway, SC elementary nurse, school-based Telehealth



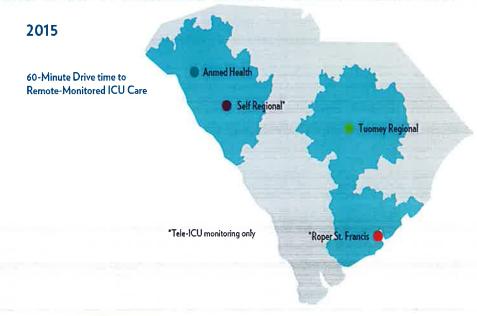




## **TeleICU & ICU Innovations**



Dr. Dee Ford monitors patients across the state from the 'bunker' in Charleston.





ICU Innovations program offers peer-to-peer education, virtual case conferences and real-time patient consultation.



# SCTA Strategies

The Alliance offers to equip and technically support any hospital in the state.

1. Deploy a coordinated, open-access telehealth network in South Carolina. Palmetto Health and Greenville Health System are contracted to receive funding to expand their telehealth capacities.

MUSC is deploying all of its specialties for hospital-hospital consultations.

- 2. Understand and effectively respond to the needs of users of telehealth with an emphasis on the underserved and rural.
- 3. Invest in expanding needed specialty and subspecialty capabilities through telehealth.

- 4. Conduct statewide education, training and promotion to providers and the public to accelerate and spread adoption of telehealth.
- Develop a telehealth organization structure that encourages and facilitates statewide collaboration among providers in the delivery of health care, education and research.

Educational offerings will be designed for use by all SC healthcare provider training programs.

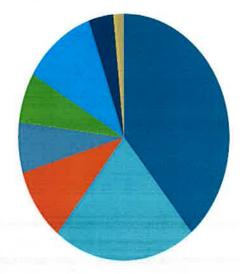
6. Demonstrate to legislators, payers, providers and the public, the impact of telehealth in improving access, quality and affordability.

An Alliance workgroup to include insurers will develop reimbursement policies that go beyond reimbursement parity and leverage the cost savings associated with telehealth.

MUSChealth.org

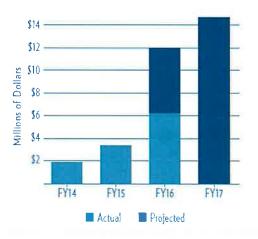
# Fund Allocation & Expenditures

## Allocation of Funds for the First 24 Months of Operations



- Center for Telehealth Operations & Personnel
- Network Infrastructure Hardware & Software
- Regionally-based Hub Support
- Marketing & Outcomes Reporting
- mHealth Initiatives
- Clinical Capacity Development
- Small Rural Clinic Support (Palmetto Care Connections)
- Office of Telehealth Education

#### **Actual Expenditures and Projected Expenses**





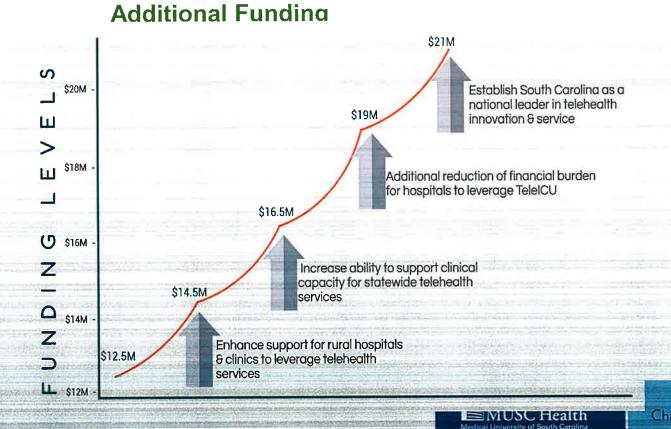


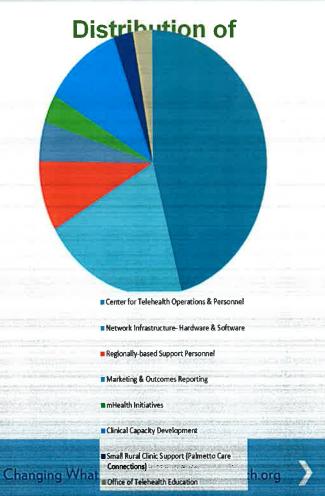
#### South Carolina Telehealth Alliance Annual Operating Budget

Sustained funding for the South Carolina Telehealth Alliance at the level of \$12.5 million per year will establish our state as a national leader in leveraging this technology to improve the health of all our citizens

#### This funding level will allow the Alliance to:

- Maintain collaborative strategy and focus on equitable distribution of optimal care throughout the state
- Maintain a network with continuously updated technologies
- Enable partnering health systems to leverage dedicated personnel and infrastructure
- Grow new and existing services to statewide footprints
- Ensure the workforce of the future is well versed in optimizing telehealth technologies
- Reduce financial risk for SC hospitals to adopt telehealth







sctelehealth.org

# MUHA Budget Requests FY2016-17

Request Type	Amount		
Women's and Children's Hospital (Bond Bill)	\$20,000,000		
Telemedicine • \$10,000,000 recurring • \$4,000,000 non-recurring	\$14,000,000		
James B. Edwards College of Dental Medicine Bond Repayment (recurring)	\$900,000		

## **Provisos**

23.1. (MUSC: Rural Dentist Program) The Rural Dentist Program, in coordination with the Department of Health and Environmental Control's Public Health Dentistry Program, is established at the Medical University of South Carolina. The funds appropriated to the Medical University of South Carolina for the Rural Dentist Program shall be administered by the South Carolina Area Health Education Consortium physician recruitment office. The costs associated with administering this program are to be paid from the funds appropriated to the Rural Dentist Program and shall not exceed four percent of the appropriation. The Medical University of South Carolina is responsible for the fiscal management of funds to ensure that state policies and guidelines are adhered to. MUSC shall be permitted to carry forward unspent general funds appropriated to the Rural Dentist program provided that these funds be expended for the program for which they were originally designated. A board is created to manage and allocate these funds to insure the location of licensed dentists in rural areas of South Carolina and on the faculty of the College of Dental Medicine at MUSC.

**Action Requested - KEEP** 



## Provisos (Continued)

23.2. (MUSC: Telemedicine) From the funds appropriated to the Medical University of South Carolina for the MUSC Hospital Authority, the Authority is directed to continue the development of its Telemedicine network. The MUSC Hospital Authority shall determine which hospitals are best suited for a Telemedicine partnership.

#### **Action Requested - KEEP**

23.3. (MUSC: Rural Access Plan) The MUSC Hospital Authority, in conjunction with the Department of Health and Human Services, shall study how to partner with existing rural hospitals to ensure that these regions maintain access to medical care.

#### **Action Requested - KEEP**

